

## **The Ladder Spoke Resonator at INFN Legnaro**

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A novel superconducting (sc) structure is proposed, to accelerate a high intensity proton beam in the energy range  $5\div 20$  MeV. The framework is that of the EURISOL driver linac. The design is rather attractive from the point of view of both rf efficiency and technological aspects of manufacture. Results of M.A.F.I.A. simulations are given.